

FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
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Atty. Docket No.

MBHB00,883-K
900,023

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Applicant:

Beigelman et al.

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3542 U.S. PTO
10/03/91



U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
160	*	4,897,355		Epstein et al.	435	240.2	
↑	*	5,208,036		Epstein et al.	424	450	
	*	5,279,833		Rose	424	450	
	*	5,283,185		Epand et al.	435	172.3	
	*	5,334,761		Gebeyehu et al.	564	105 197	
	*	5,527,928		Nantz et al.	554	105	
	*	5,552,155		Bailey et al.	424	450	
	*	5,578,475		Messee	435	172.3	
	*	5,676,954		Brigham	424	450	
Y	*	5,705,693		DePrince et al.	564	159	
110	*	5,777,153		Lin et al.	560	158	

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
110	*	WO 91/18012	11/28/91	PCT	Z			✓
↑	*	WO 91/18624	12/12/91	PCT				✓
Y	*	WO 91/18625	12/12/91	PCT				✓
110	*	WO 92/00080	01/09/92	PCT				✓

OTHER DOCUMENTS

Examiner Initial		Author, Title, Date, Pertinent Pages, etc.
Mo	*	Akhtar and Juliano, 1992, "Cellular Uptake and Intracellular Fate of AntiSense Oligonucleotides," <i>Trends Cell Biol.</i> 2:139-144
Mo	*	Bailey et al., 1997, <i>Biochemistry</i> , 36, 1628
Mo	*	Bangham, 1965, <i>J. Mol. Biol.</i> 13, 238-252
Mo	*	Bennett et al., "Cationic Lipids Enhance Cellular Uptake and Activity of Phosphorothioate Antisense Oligonucleotides," <i>Mol. Pharmacology</i> , 41:1023-1033 (1992)
Mo	*	Capaccioli et al., 1993, <i>BBRC</i> , 197, 818-25
	*	Cleary, et al., 1986, <i>Cell</i> , 47:19-28.
Mo	*	Cotten et al., 1990, "Transferrin-Polycation-Mediated Introduction of DNA into Human Leukemic Cells: Stimulation by Agents that Affect the Survival of Transfected DNA or Modulate Transferrin Receptor Levels," <i>Proc. Natl. Acad. Sci. USA</i> , 87:4033 (Abstract)
Mo	*	Felgner et al., 1987, <i>PNAS</i> 84, 7413-7417
Mo	*	Felgner, 1990, <i>Advanced Drug Delivery Reviews</i> , 5, 162-187
Mo	*	Felgner, 1993, <i>J. Liposome Res.</i> , 3, 3-16
	*	Kaye et al., (1988), <i>Mol. Cell. Biol.</i> , 8(1):186-195
	*	McGrath et al., (1983), <i>Nature</i> , 304:501-506
Mo	*	Ramila et al., 1993 <i>J. Biol. Chem.</i> , 268, 16087-16090
	*	Sarver et al., 1990, <i>Science</i> , 247:1222-1225
	*	Semba et al., 1985, <i>Proc. Natl. Acad. Sci. USA</i> , 82:6497-6501
Mo	*	Stewart et al., 1992, <i>Human Gene Therapy</i> , 3, 267-275
Mo	*	Wagner et al., 1991, <i>Proc. Natl. Acad. Sci. USA</i> , 88, 4255
Mo	*	Wagner et al., 1991, "Transferrin-Polycation-DNA Complexes: The Effect of Polycations on the Structure of the Complex and DNA Delivery to Cells," <i>Proc. Natl. Acad. Sci. USA</i> , 88:4255 (Abstract)
Mo	*	Wu et al., 1991, "Receptor-Mediated Gene Delivery <i>In Vivo</i> . Partial Correction of Genetic Analbuminemia in Nagase Rats," <i>J. Biol. Chem.</i> , 266:14338 (Abstract)
Mo	*	Xu et al., 1996, <i>Biochemistry</i> 35, 5616
Mo	*	Zenke et al., 1990, "Receptor-mediated Endocytosis of Transferrin-Polycation Conjugates: An Efficient Way to Introduce DNA into Hematopoietic Cells," <i>Proc. Natl. Acad. Sci. USA</i> , 87:3655 (Abstract)
Mo	*	International Search Report, PCT/US98/15129, mailed October 29, 1998
EXAMINER		DATE CONSIDERED
A. J. A.		April 2004

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